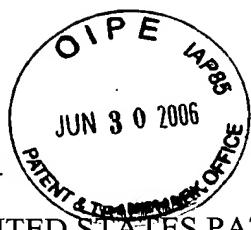


Docket No. 645-143



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT OPERATION

Applicants:

Hiroyuki Minamikawa et al.

Examiner: Karl Group

Serial Number: 09/841,614

Group Art Unit: 1755

Filing Date: April 24, 2001

Title: LOW EXPANSION TRANSPARENT GLASS-CERAMICS, GLASS-CERAMIC
SUBSTRATE AND OPTICAL WAVEGUIDE ELEMENT

New York, NY 10036
June 27, 2006

Mail Stop Non-Fee Amendments
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

This Amendment is being filed in response to the Office Action that was mailed March 29, 2006. Kindly amend the subject application as follows: